

UTILITY PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Adon Delgado Jr. et al. Group Art Unit: Unknown
Serial No.: Unknown Examiner: Unknown
Filed: December 5, 2003 Attorney Docket No.: 024.0001X1
For: PHASE-CHANGE HEAT EXCHANGER

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P O Box 1450
Alexandria, VA. 22313-1450

Commissioner:

In accordance with 37 C.F.R. 1.56 and in a manner prescribed by 37 C.F.R. 1.97 and 1.98, this Information Disclosure Statement IDS is being submitted herewith for consideration by the United States Patent and Trademark Office.

I. CONTENT

This IDS includes:

- ☒ A list of all patents, publications, applications, or other information submitted for consideration by the Office on PTO/SB/08A Form, which is included herewith;
- ☒ A legible copy of: (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) each cited pending U.S. application, the application specification including claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and (iv) all other information or that portion which caused it to be listed, unless subsequently provided in this IDS.

II. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

- ☒ Except as may be subsequently indicated in this section II, a concise explanation is not required as all of the patents, publications, applications or other information are in the English language.
- ☐ A concise explanation of the relevance, as it is presently understood by the individual designated in 1.56(a) most knowledgeable about the content of the information, of all patents, publications, applications or other information listed that is not in the English language.
- ☐ A copy of the translation of a non-English Language document, or portion thereof. (e.g., a translation of an abstract)
- ☐ Any patent, publication, pending U.S. application or other information that is listed on PTO/SB/08A Form, which are not enclosed herewith were previously cited by or submitted to the Office in one of the following applications that has been relied on for an earlier effective filing date under 35 U.S.C 120 and the IDS submitted in the earlier application complies with paragraphs (a) through (c) of 1.98:

U.S. Application Serial No.	U.S. Filing Date

III. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(b): (check one box)

- ☒ Within three months of the filing date of a national application other than a continued prosecution application under 1.53(d).
- ☐ Within three months of the date of entry of the national stage as set forth in 1.491 in an international application.
- ☐ Before the mailing date of a first Office Action on the merits. In the event that a first Office Action on the merits has been mailed, please consider this IDS under 37 C.F.R. 1.97(c) and see the statement under 1.97(e) or charge deposit account 50-2091 the fee specified by 37 C.F.R. 1.17(p) if such statement is not selected in Section VI.
- ☐ Before the mailing of a first Office Action after the filing of a request for continued examination under 1.114.

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(c):

- ☐ After the period specified in 27 C.F.R. 1.97(b) and before the mailing date of any of a final action under 1.113, a notice of allowance under 1.311 or an action that otherwise closes prosecution in the application, and accompanied by:
- ☐ a statement specified in 1.97(e) as subsequently provided in this IDS; or
- ☐ the fee set forth in 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(d):

- ☐ After the period specified in 27 C.F.R. 1.97(c) and on or before the payment of the issue fee, and it is accompanied by a statement specified in 1.97(e) as subsequently provided in this IDS and the fee set forth in 1.17(p).

VI. Statement under 37 C.F.R. 1.97(e) (check only one box)

The undersigned hereby states that:

- ☐ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ No item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this IDS.

VII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$_____ is enclosed for fees due with respect to this IDS.
- ☐ Please charge Deposit Account No. _____ in the amount of \$_____ for the fees due with respect to this IDS. A duplicate copy of this paper is included with this IDS.

VIII. CONCLUSION


It is respectfully submitted that the claims presently on file patently distinguish the present invention from each of these references cited in this IDS. The references cited in this IDS are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art. Furthermore the filing of this IDS should not be construed to be an admission that the information cited in this IDS is, or is considered to be, material to patentability as defined in 1.56(b). In addition, the filing of this IDS should not be construed as a representation that a search has been made.

If the Examiner has any questions concerning these IDS, the Examiner is requested to contact the undersigned at the telephone number associated with Customer No. 29,906. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account No. 50-2091.

Please charge any additional fees or credit any overpayment related to this IDS to Deposit Account No. 50-2091.

Respectfully submitted,

Date: 12/8/02

By: 
Timothy J. Lorenz
Reg. No. 41,954

Ingrassia Fisher & Lorenz
Customer Number 29906

Enclosures: ☒ PTO/SB/08A
☒ References
☐ Foreign Search Report
☐ Fee
☐ Other: _____

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	
				Filing Date	December 5, 2003
				First Named Inventor	Adon Delgado, Jr.
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	024.0001X1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 3,052,094	09-11-1962	Fischer	
		US- 3,090,094	05-21-1963	Schwartzwalder et al.	
		US- 3,111,396	11-19-1963	Ball	
		US- 3,171,820	03-02-1965	Voltz	
		US- 3,362,818	01-09-1968	Schwarzkopf et al.	
		US- 3,408,180	10-29-1968	Winkler	
		US- 3,470,117	09-30-1969	Pearce	
		US- 3,616,841	11-02-1971	Walz	
		US- 3,946,039	03-23-1976	Walz	
		US- 4,096,450	06-20-1978	Hill et al.	
		US- 4,507,789	03-26-1985	Daly et al.	
		US- 4,808,558	02-28-1989	Park	
		US- 4,267,526	05-12-1981	McDermott et al.	
		US- 5,310,592	05-10-1994	Baker et al.	
		US- 5,322,725	06-21-1994	Ackerman et al.	
		US- 5,949,805	09-07-1999	Mordaunt et al.	
		US- 6,037,032	03-14-2000	Klett, et al.	
		US- 6,154,478	11-28-2000	Vetrovec	
		US- 6,307,871	10-23-2001	Herberle	
		US- 6,034,978	03-07-2000	Ujazdowski et al.	
		US- 6,351,478	02-26-2002	Herberle	
		US- 6,570,895	05-27-2003	Herberle	
		US-			
		US-			
		US-			

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		KLELTT, JAMES W., "High Thermal Conductivity, Mesophase Pitch-Derived Carbon Foam", 43 rd International SAMPE Symposium, May 31 - June 4, Anaheim, CA 1998.	

Examiner Signature		Date Considered	
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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